

DNAxPAb

Hard-to-Find
Antibody

S100B DNAxPab

Catalog # H00006285-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human S100B DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MSELEKAMVALIDVFHQYSGREGDKHKLKKSELKELINNELSHFLEEIKEQEVVDKVMETLDNDG DGECDFAQEFMAFVAMVTTACHEFFEHE
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — S100B

Entrez GeneID [6285](#)

GeneBank Accession# [NM_006272.1](#)

Protein Accession# [NP_006263.1](#)

Gene Name S100B

Gene Alias NEF, S100, S100beta

Gene Description S100 calcium binding protein B

Omim ID [176990](#)

Gene Ontology [Hyperlink](#)

Gene Summary

The protein encoded by this gene is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21; however, this gene is located at 21q22.3. This protein may function in Neurite extension, proliferation of melanoma cells, stimulation of Ca²⁺ fluxes, inhibition of PKC-mediated phosphorylation, astrocytosis and axonal proliferation, and inhibition of microtubule assembly. Chromosomal rearrangements and altered expression of this gene have been implicated in several neurological, neoplastic, and other types of diseases, including Alzheimer's disease, Down's syndrome, epilepsy, amyotrophic lateral sclerosis, melanoma, and type I diabetes. [provided by RefSeq]

Other Designations

OTTHUMP00000174958|S-100 calcium-binding protein, beta chain|S100 beta|S100 calcium binding protein, beta (neural)|S100 calcium-binding protein, beta|S100 calcium-binding protein, beta (neural)

Disease

- [Alzheimer disease](#)
- [Bipolar Disorder](#)
- [Cognition Disorders](#)
- [Dementia](#)
- [Depressive Disorder](#)
- [Diseases in Twins](#)

- [Genetic Predisposition to Disease](#)
- [Mental Disorders](#)
- [Neuropsychological Tests](#)
- [Psychotic Disorders](#)
- [Schizophrenia](#)